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Notice of Allowability	Application No.		Applicant(s)	
	10/724,651		KLING ET AL.	
	Examiner		Art Unit	
	Tung S. Lau		2863	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--
 All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 4-19-2005.
2. ☒ The allowed claim(s) is/are 1-28.
3. ☒ The drawings filed on 01 December 2003 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|---|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____ |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____ |

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 4-19-2005 has been entered.

Prior Art Cited

2. Although the prior art discloses several claimed limitation, for example: Gardner (U.S. Patent 4,385,833) discloses an optic receiver capable of detecting the angle of incidence of optical energy in a plurality of fields of view relative to an airborne frame of reference. Incoming rays are reflected by surfaces arranged at predetermined angles relative to an input aperture so as to reflect rays in predetermined fields of view into parallelism with the receiver axis and ultimately to a line image at an output aperture. Power distribution along the line image varies with the azimuth of the target reflection. Computation of target azimuth from the power distribution along the line image is facilitated by photodetectors mounted on the element and associated electronic circuitry.

Allowable Subject Matter

3. Claims 1-28 are allowed.

Reasons for Allowance

4: The following is an examiner's statement of reasons for allowance:

Independent claims 1, 8, 16 and 24 contain allowable subject matter. None of the prior art of record shows or fairly suggests the claimed invention.

Regarding claim 1:

The primary reason for the allowance of claim 1 is the inclusion of a system for measuring the relative locations of points on a vehicle including the processor program including a routine for monitoring each receiver and generating on the display device a graphical display indicating for each source and each receiver whether or not the source is in the field of view of the receiver. It is these features found in the claim, as they are claimed in the combination, that has not been found, taught or suggested by the prior art of record which makes this claim allowable over the prior art.

Claims 2-7 are allowed due to their dependency on claim 1.

Regarding claim 8:

The primary reason for the allowance of claim 8 is the inclusion of a system for measuring the relative locations of points on a vehicle including the processor program including a routine for monitoring each receiver and causing the indicator to operate in a first mode if the source is in the field of view of all of the receivers and in a second mode if the source is in the field of view of all but one of the receivers. It is these features found in the claim, as they are claimed in the

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combination, that has not been found, taught or suggested by the prior art of record which makes this claim allowable over the prior art.

Claims 9-15 are allowed due to their dependency on claim 8.

Regarding claim 16:

The primary reason for the allowance of claim 16 is the inclusion of a system for measuring the relative locations of points on a vehicle including the processor program including a second routine for monitoring each receiver and causing the indicator to operate in a first mode if the at least one second source is in the field of view of all of the receivers and in a second mode of the at least one second source is in the field of view of all but one of the receivers. It is these features found in the claim, as they are claimed in the combination, that has not been found, taught or suggested by the prior art of record which makes this claim allowable over the prior art.

Claims 17-23 are allowed due to their dependency on claim 16.

Regarding claim 24:

The primary reason for the allowance of claim 24 is the inclusion of a method of measuring the relative location of points on a vehicle including providing an indication as to whether or not any source is outside the field of view of any receiver and, if so, identifying which source or sources and which receiver or receivers. It is these features found in the claim, as they are claimed in the combination, that has not been found, taught or suggested by the prior art of record which makes this claim allowable over the prior art.

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Claims 25-28 are allowed due to their dependency on claim 24.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tung S Lau whose telephone number is 571-272-2274. The examiner can normally be reached on M-F 9-5:30. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Barlow can be reached on 571-272-2269. The fax phone numbers for the organization where this application or proceeding is assigned is 703-872-9306. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



TL

BRYAN BUI
PRIMARY EXAMINER

